

Received date: 12/11/2006

1/FW 0567522-762 GAU: 4172

Dec 11 2006
Patent & Trademark Office
RECEIVED
Mocket No.: MAIWAM10.002APC

December 5, 2006
Page 1 of 1

Please Direct All Correspondence to Customer Number 20995

TRANSMITTAL LETTER
INFORMATION DISCLOSURE STATEMENT

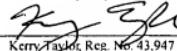
Applicant : Torsten NEUEFIND et al.
App. No : 10/567,522
Filed : February 6, 2006
For : METHOD FOR IDENTIFYING WEAKLY BINDING MOLECULE FRAGMENTS HAVING LIGAND PROPERTIES, WHEREBY THE MOLECULE FRAGMENTS ARE APPLIED IN THE FORM OF MICRODROPS OF A CORRESPONDING SOLUTION TO THE CRYSTAL
Examiner : Unknown
Art Unit : 1762

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

December 5, 2006

(Date)


Kerry Taylor, Reg. No. 43,947

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

(X) An Information Disclosure Statement and PTO/SB/08 equivalent listing references for consideration:

- (X) Listing 27 references.
(X) Enclosing 24 references.

(X) Return prepaid postcard.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.


Kerry Taylor
Registration No. 43,947
Attorney of Record
Customer No. 20,995
(619) 235-8550

3178205/ck/l20506

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CAH/



INFORMATION DISCLOSURE STATEMENT

Applicant : Torsten NEUEFEIND et al.
 App. No : 10/567,522
 Filed : February 6, 2006
 For : METHOD FOR IDENTIFYING
 WEAKLY BINDING MOLECULE
 FRAGMENTS HAVING LIGAND
 PROPERTIES, WHEREBY THE
 MOLECULE FRAGMENTS ARE
 APPLIED IN THE FORM OF
 MICRODROPS OF A
 CORRESPONDING SOLUTION TO
 THE CRYSTAL
 Examiner : Unknown
 Art Unit : 1762

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

December 5, 2006

(Date)

Kerry Taylor Reg. No. 43,947

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 27 references to be considered by the Examiner. Also enclosed are 24 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,
 KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 5-Dec-06

By:
 Kerry Taylor
 Registration No. 43,947
 Attorney of Record
 Customer No. 20,995
 (619) 235-8550

3178075/ck/l20506

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /CAH/

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Multiple sheets used when necessary)

DE 11-2006

SHEET 1 OF 2

Application No.	10/567,522	
Filing Date	February 6, 2006	
First Named Inventor	Torsten NEUEFEIND	
Art Unit	1762	
Examiner	Unknown	Christopher Hixson
Attorney Docket No.	MAIWAM10.002APC	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	US2002/153055 A1	10-2002	DOWNS, Robert C. et al.	
	2	US2002/191048 A1	12-2002	STEARNS, Richard G. et al.	
	3	US2003/049642 A1	03-2003	CEDERGREN, Eila et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	4	DE 198 42 797 C	01-2000	MAX PLANCK GESELLSCHAFT		ABSTRACT ONLY
	5	DE 102 32 172.8-52	02-2004	PROTEROS BIOSTRUCTURES GMBH		ABSTRACT ONLY
	6	DE 103 36 110.3	03-2005	PROTEROS BIOSTRUCTURES GMBH		ABSTRACT ONLY
	7	EP 0 278 131 A	08-1988	BOC GROUP PLC		X
	8	GB 2 249 492 A	05-1992	THE IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY & MEDICINE; DOUGLAS INS		X
	9	WO 99/45379 A	09-1999	ABBOTT LAB		X
	10	WO 02/057520 A	07-2002	CHEMICAL HOLOVOICE		X
	11	WO 03/050598 A	06-2003	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA		X
	12	WO 2005/017236 A	02-2005	PROTEROS BIOSTRUCTURES GMBH		ABSTRACT ONLY
	13	WO 2005/031344 A	04-2005	PROTEROS BIOSTRUCTURES GMBH		ABSTRACT ONLY

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	14	BLUNDELL, T. L. et al., "High-Throughput Crystallography for Lead Discovery in Drug Design," NATURE REVIEWS DRUG DISCOVERY, NATURE PUBLISHING GROUP, BASINGSTOKE, GB, vol. 1, no. 1, January 2002 (2002-01), 45-54, XP009023187, ISSN: 1474-1784	X
	15	BOHM, Hans-Joachim, "The computer program LUDI: A new method for the de novo design of enzyme inhibitors," J. Comp.-aided Molecul. Des., 6:61-78 (1992).	X
	16	CHAYEN, N. E. et al., "Protein crystallization for genomics: towards high-throughput optimization techniques," ACTA CRYSTALLOGRAPHICA, SECTION D (BIOLOGICAL CRYSTALLOGRAPHY) MUNKSGAARD INTERNATIONAL BOOKSELLERS AND PUBLISHERS FOR INT. UNION CRYSTALLOGR DENMARK, vol. D58, 2002, 921-927, XP009013224, ISSN: 0907-4449	X

Examiner Signature

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a checkmark in boxes where a non-patent literature reference is cited.

All other references cited are considered to be non-patent literature.

ALL INFORMATION CONTAINED HEREIN IS UNPUBLISHED AND CONFIDENTIAL. DO NOT COPY OR DISCLOSE WITHOUT WRITTEN PERMISSION FROM THE U.S. PATENT AND TRADEMARK OFFICE.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.	10/567,522
(Multiple sheets used when necessary)		Filing Date	February 6, 2006
SHEET 2 OF 2		First Named Inventor	Torsten NEUEFEIND
		Art Unit	1762
		Examiner	Unknown Christopher Hixson
		Attorney Docket No.	MAIWAM10.002APC

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	17	CLARK et al., "PRO_LIGAND: An approach to de novo molecular design. 1. Application to the design of organic molecules," <i>Journal of Computer-Aided Molecular Design</i> , 9:13-32 (1995).	X
	18	CLARK et al., "PRO_LIGAND: An approach to de novo molecular design. 4. Application to the design of peptides," <i>Journal of Computer-Aided Molecular Design</i> , 9:213-225 (1995).	X
	19	CLARK et al., "PRO_LIGAND: An Approach to de Novo Molecular Design. 5. Tools for the Analysis of Generated Structures," <i>J. Chem. Inf. Comput. Sci.</i> , 35:914-923 (1995).	X
	20	CLEMONS, W. M. et al., "Crystal structure of the 30 S ribosomal subunit from <i>Thermus thermophilus</i> : purification, crystallization and structure determination," <i>JOURNAL OF MOLECULAR BIOLOGY</i> , LONDON, GB, vol. 310, no. 4, 20 July 2001 (2001-07-20), 827-843, XP004480481, ISSN: 0022-2836	X
	21	International Search Report issued on the corresponding PCT Application No. PCT/EP2004/008813	X
	22	LESISSE, DOMINIQUE et al., "SAR and X-ray. A new approach combining fragment-based screening and rational drug design: application to the discovery of nanomolar inhibitors of Src SH2." <i>JOURNAL OF MEDICINAL CHEMISTRY</i> , 6 JUN 2002, vol. 45, no. 12, 6 June 2002 (2002-06-06), 2379-2387, XP002303799, ISSN: 0022-2623	X
	23	MOON, Joseph B. et al., "computer Design of Bioactive Molecules: A Method for Receptor-Based de Novo Ligand Design," <i>Proteins</i> , 11:314-328 (1991).	X
	24	NIENABER, V. L. et al., "Discovering novel ligands for macromolecules using X-ray crystallographic screening," <i>NATURE BIOTECHNOLOGY</i> , NATURE PUBLISHING, US, vol. 18, no. 10, October 2000 (2000-10), 1105-1108, XP002250092, ISSN: 1087-0156	X
	25	SANTESSON, S. et al., "Screening of nucleation conditions using levitated drops for protein crystallization," <i>ANALYTICAL CHEMISTRY</i> , vol. 75, no. 7, 1 April 2003 (2003-04-01), 1733-1740, XP001170672, ISSN: 0003-2700	X
	26	STEWART, P.S. et al., "A comparison of microbatch and vapour diffusion for initial screening of crystallization conditions," <i>JOURNAL OF CRYSTAL GROWTH</i> , NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, vol. 168, no. 1, 1 October 1996 (1996-10-01), 170-174, XP004013784, ISSN: 0022-0248	X
	27	WANG et al., "LigBuilder: A Multi-Purpose Program for Structure-Based Drug Design," <i>Journal of Molecular Modeling</i> , 6:498-516 (2000).	X

2868188/ck/082406

Examiner Signature	/Christopher Adam Hixson/	Date Considered	12/18/2009
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

T¹ - Place a checkmark in the box if all cited references are EXCLUDED WHERE LINED THROUGH. /CAH/